

Abstract

An improved liner (i.e., prosthetic liner) for covering a residual limb of an amputee is provided. According to one exemplary embodiment, the liner includes a fabric liner body that is formed of at least two fabric pieces and a stretch limiting element that is incorporated into an exterior surface of the distal end of the fabric liner body for reinforcement of the liner's distal end and for limiting stresses associated with distal end elongation. For example, the stretch limiting element can be in the form of a coating of a material that has limited flexibility and is integrally adhered to the outer surface of the fabric liner body such that the material seeps into the interior of the fabric liner body and optionally into any seams. Since the coating is integrally adhered to the fabric liner body and has an elasticity that is lower than that of the fabric liner body, the coating serves as a stretch limiting, anti-elongation element which counters forces that tend to result in the fabric liner body being stretched out during normal every day use.